

Segment HW

Date _____ Period _____

Solve for x .

1) $P \xrightarrow{x+19} Q \xrightarrow{x+18} R$
 $\overline{PR} = 19$

2) $F \xrightarrow{6} G \xrightarrow{x+5} H$
 $\overline{FH} = 2x+5$

3) $A \xrightarrow{2x+33} B \xrightarrow{8} C$
 $\overline{AC} = x+29$

4) $U \xrightarrow{11} T \xrightarrow{2x-14} S$
 $\overline{US} = 9+x$

5) $L \xrightarrow{x+18} M \xrightarrow{x+15} N$
 $\overline{LN} = 19$

Find the length indicated.

6) Find ED

$E \xrightarrow{11} D \xrightarrow{1} C \xrightarrow{\quad} B$
 $\overline{EB} = 21$

7) Find JG

$J \xrightarrow{\quad} I \xrightarrow{2} H \xrightarrow{\quad} G$
 $\overline{IH} = 8$
 $\overline{JG} = 10$

8) Find FH

$E \xrightarrow{\quad} F \xrightarrow{2} G \xrightarrow{\quad} H$
 $\overline{FG} = 13$
 $\overline{EH} = 23$